

CLAIMS

1. (previously presented) A wood treating formulation, comprising a mixture of a first solution comprising styrene mixed with an initiator, and a second solution comprising furfuryl alcohol mixed with maleic anhydride, wherein the initiator for styrene is chosen from 2,2'-azobis(2-methylbutane-nitrile), 1,1'-azobis(cyclohexane-carbonitrile), tertiary butyl perbenzoate or combinations thereof.
2. (previously presented) The wood treating formulation of claim 1, wherein the first solution further comprises a crosslinker.
3. (cancelled)
4. (previously presented) The wood treating formulation of claim 2, wherein the crosslinker of the first solution is divinyl benzene.
5. (previously presented) The wood treating formulation of claim 2, wherein a mineral oil or wax optionally is present in the first solution as an extender.
6. (cancelled)
7. (currently amended) The wood treating formulation of claim 1, wherein about 0.3% ~~0.3~~ by weight of 2.2' ~~2,2'~~-azobis(2-methylbutane-nitrile) based on styrene is present in the first solution.
8. (currently amended) The wood treating formulation of claim 1, wherein about 0.4 % ~~0.4~~ by weight of 1.1' ~~1,1'~~-azobis(cyclohexane-carbonitrile) based on styrene is present in the first solution.
9. (currently amended) The wood treating formulation of claim 1, wherein t about 0.5 % ~~0.5~~ by weight of tertiary butyl perbenzoate based on styrene is present in the first solution.
10. (currently amended) The wood treating formulation of claim 4, wherein about 3.5% ~~3.5~~ by weight of divinyl benzene based on styrene is present in the first solution.
11. (previously presented) The wood treating formulation of claim 5, wherein 0 to 30% by weight of mineral oil or wax based on styrene is present in the first solution.
12. (previously presented) The wood treating formulation of claim 1, wherein 10 to 30% by weight of furfuryl alcohol, which is based on the styrene of the first solution, is present in the second solution.
13. (previously presented) The wood treating formulation of claim 1, wherein 5 to 10% by weight of maleic anhydride based on furfuryl alcohol is present in the second solution.
- 14 – 26 (cancelled)
27. (currently amended) A method for impregnating a piece of wood, comprising impregnating the wood with a formulation according to any one of claims 1,2,4,5 and 7-13 and thereafter curing the wood.
28. (previously presented) The method according to claim 27, wherein the wood is impregnated by immersing the wood in the formulation and applying a vacuum and pressure

cycle, and further wherein the curing of the treating formulation impregnated in the wood is carried out by heating.

29. (previously presented) The method of claim 28, wherein the curing is carried out by heating the impregnated wood sufficiently for it to reach 80 C in the center.

30. (previously presented) The method of claim 28, wherein the curing is carried out by heating the impregnated wood sufficiently for it to reach 120 C in the center for at least one hour.

31. (withdrawn)

32. (withdrawn)